

**Fig. 1 D**

**Fig. 1 C**

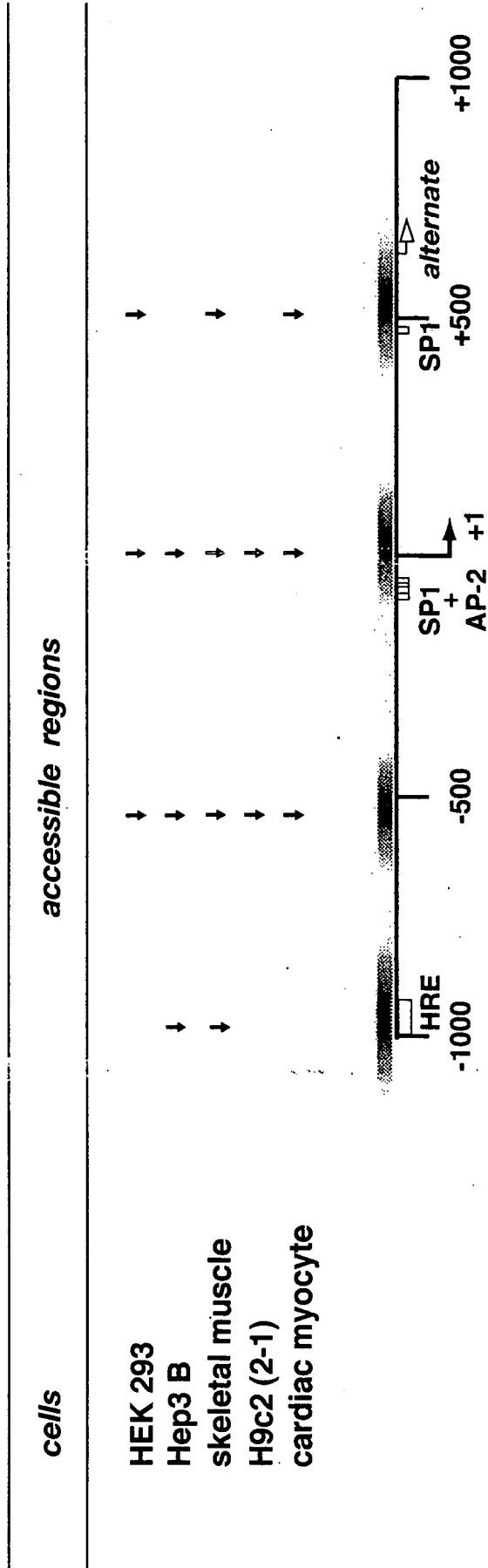
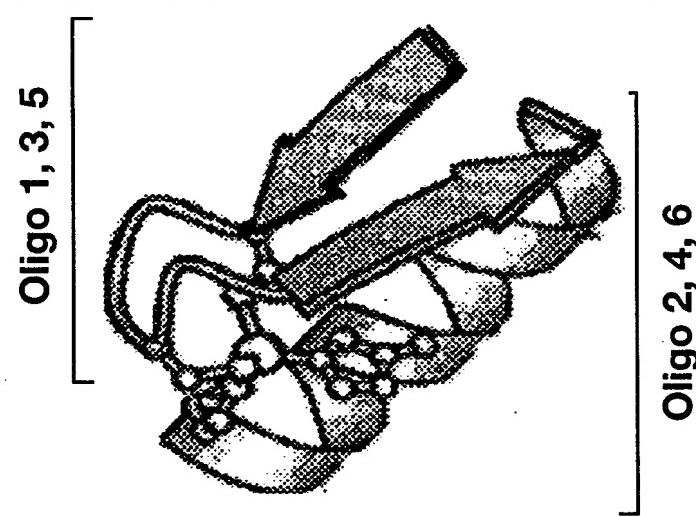


Fig. 1 E

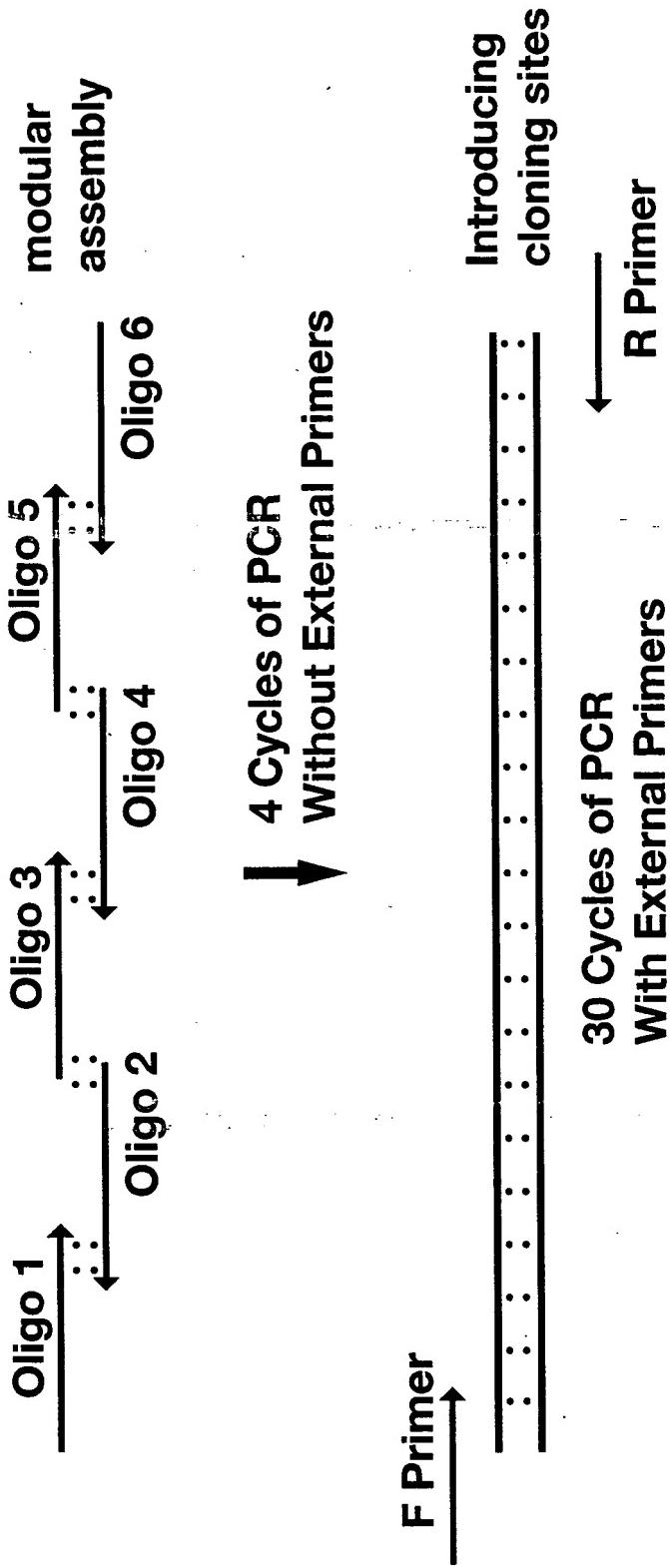


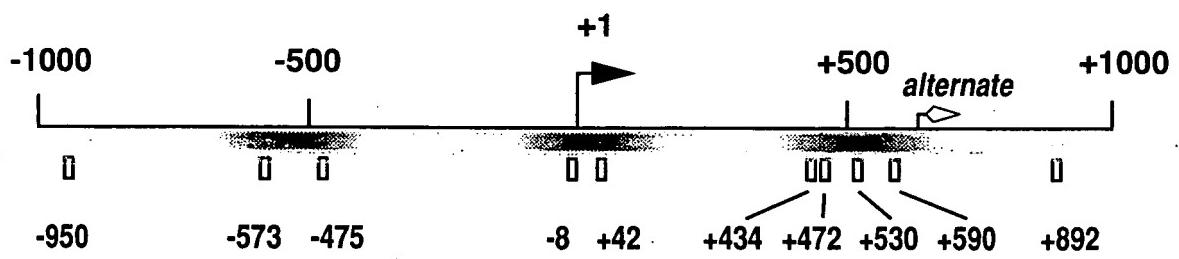
sequence conservation  
gray: individual bases  
black: five-mer blocks

Fig. 1 F

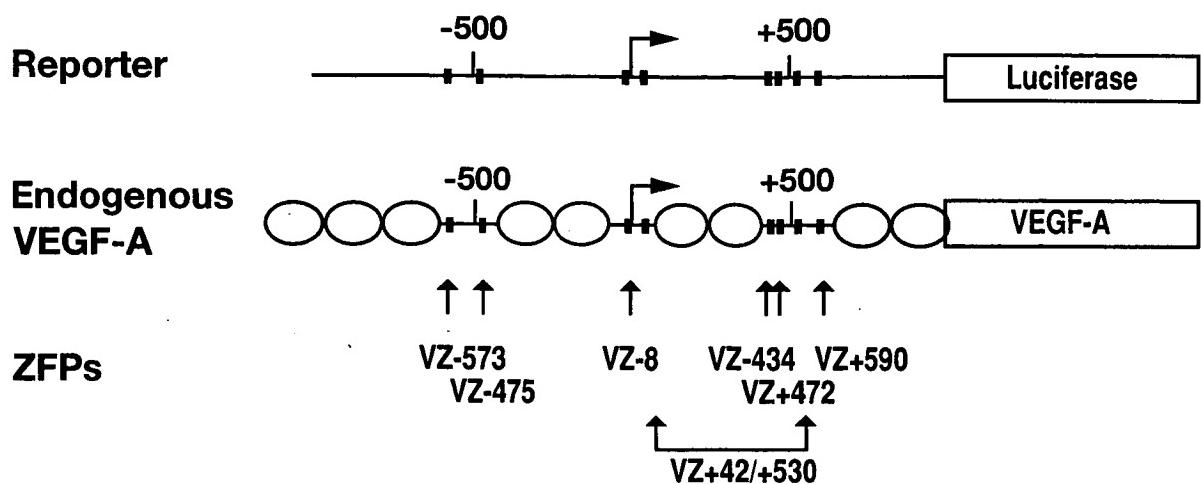


**Fig. 2A**

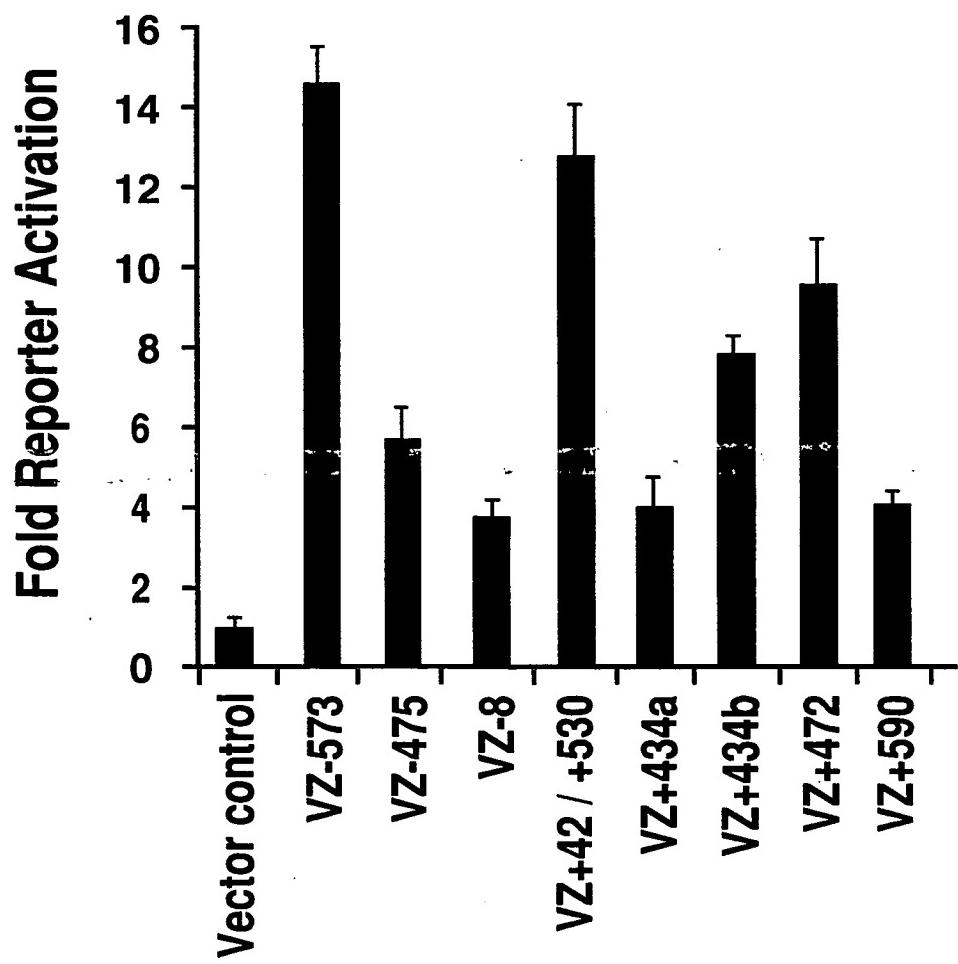




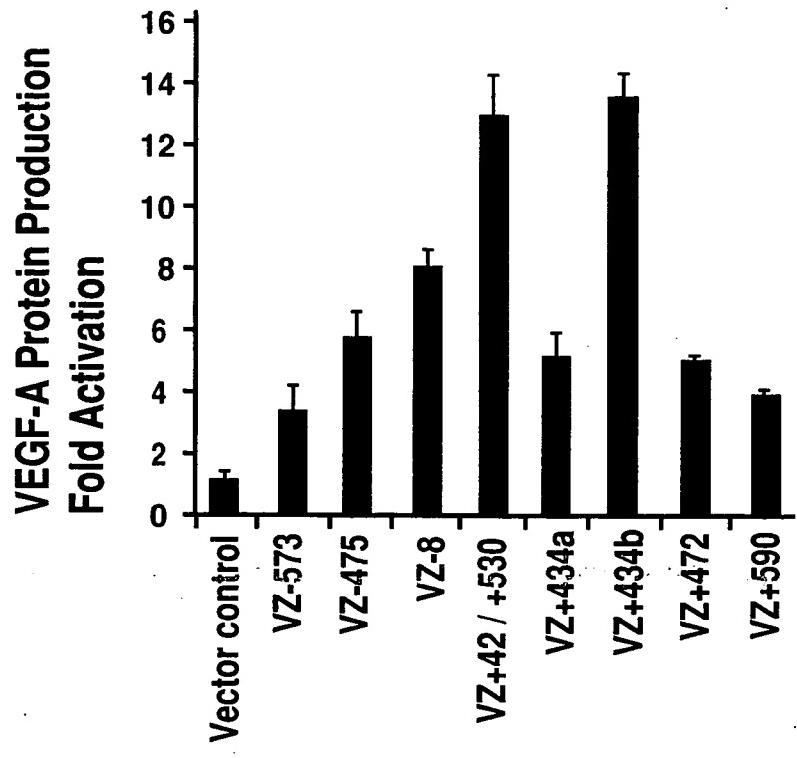
**Fig. 2D**



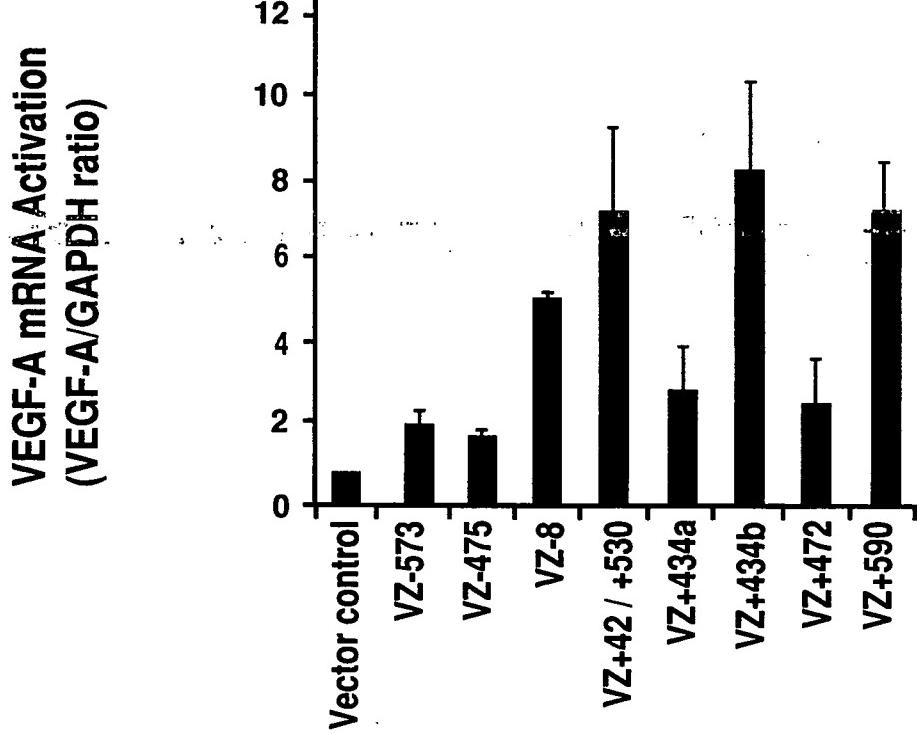
**Fig. 3A**



**Fig. 3B**



**Fig. 3C**



**Fig. 3D**

## ZFP Protein

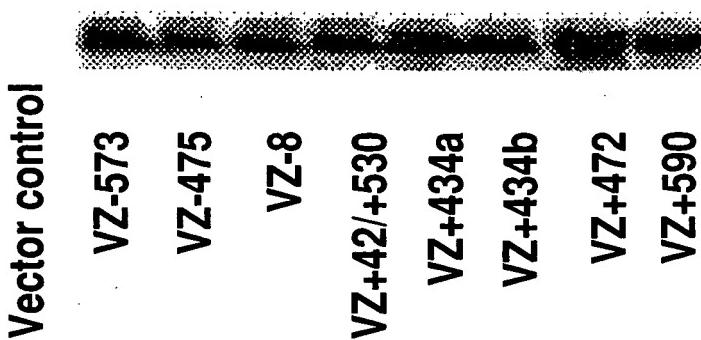


Fig. 3E

Relative ZFP mRNA levels  
(VP16 / GAPDH by Taqman)

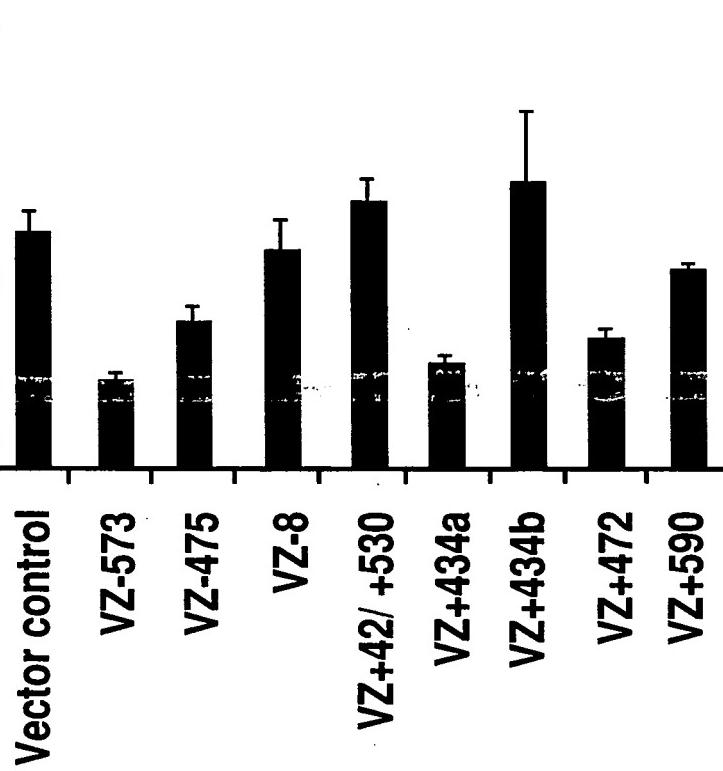
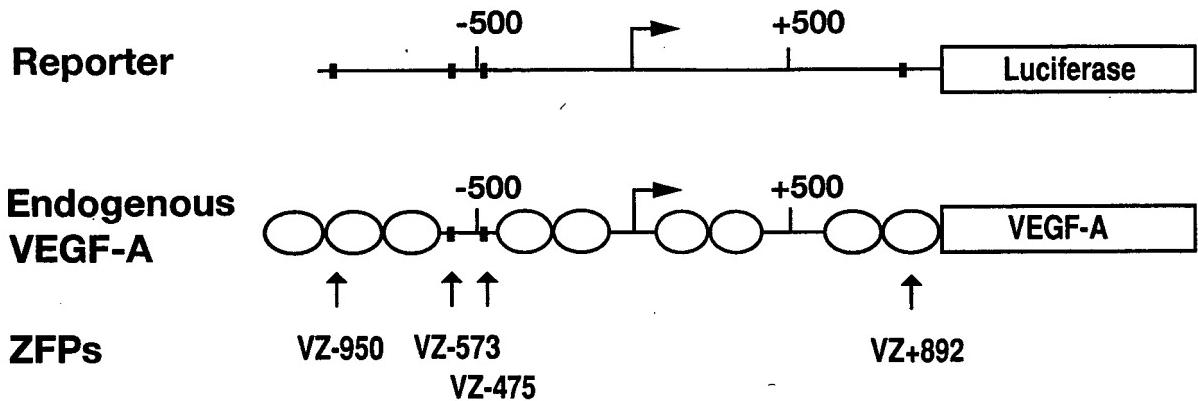
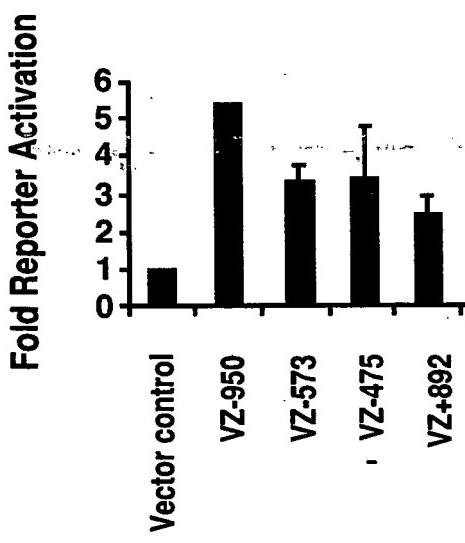


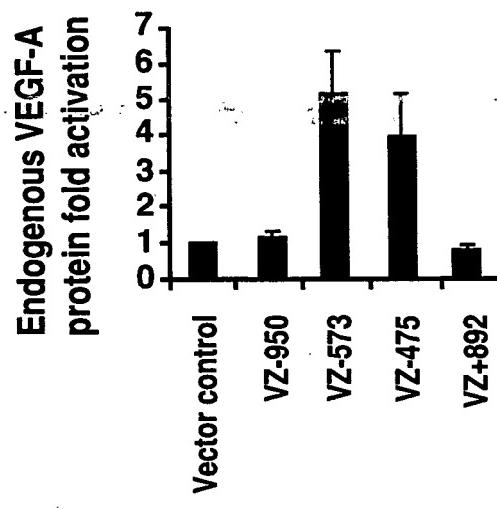
Fig. 3F



**Fig. 4A**



**Fig. 4B**



**Fig. 4C**

NLS	ZFP	VP16	FLAG
NLS	ZFP	p65 AD	FLAG

Fig. 5A

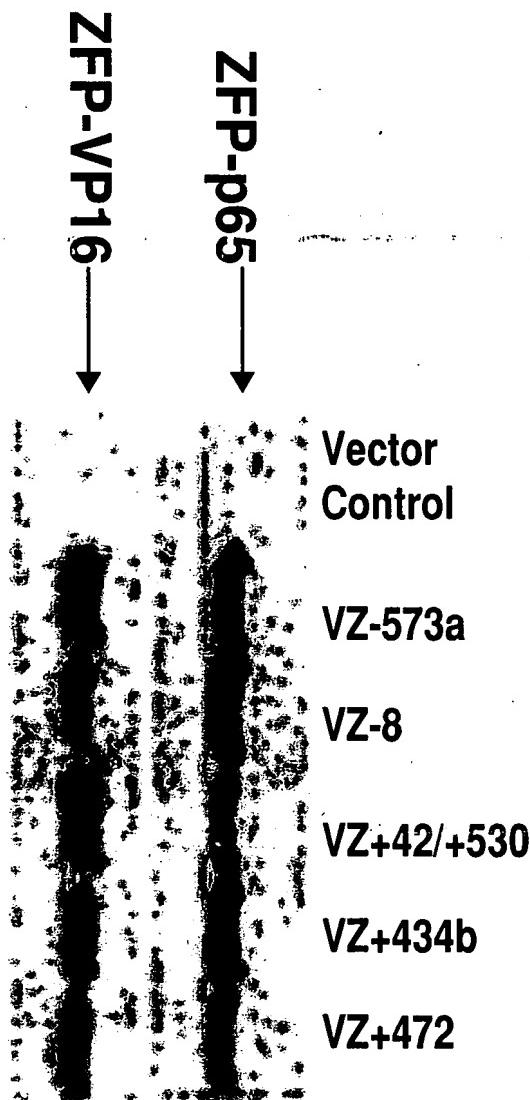
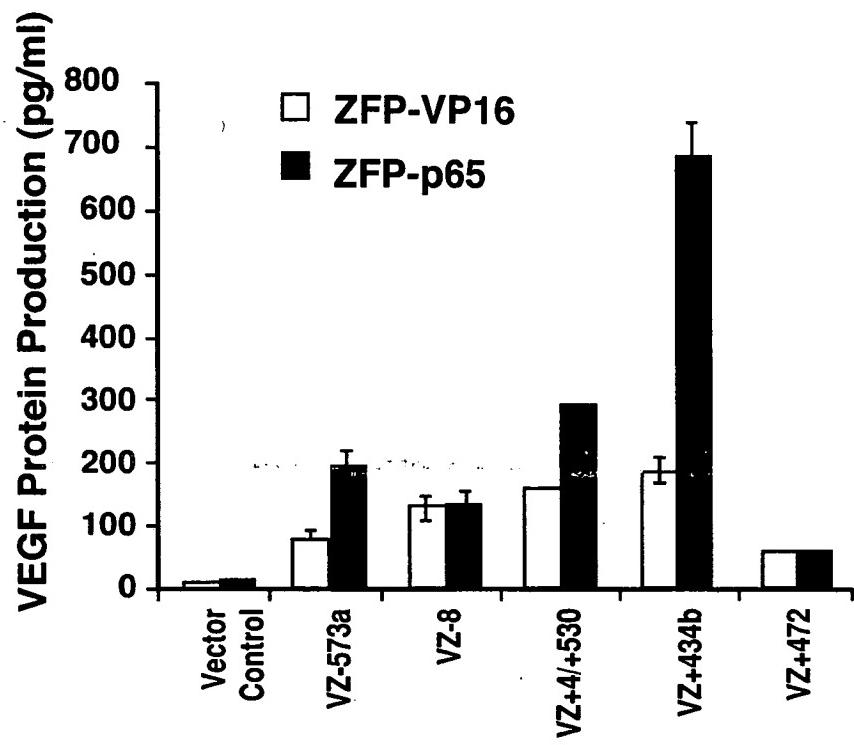
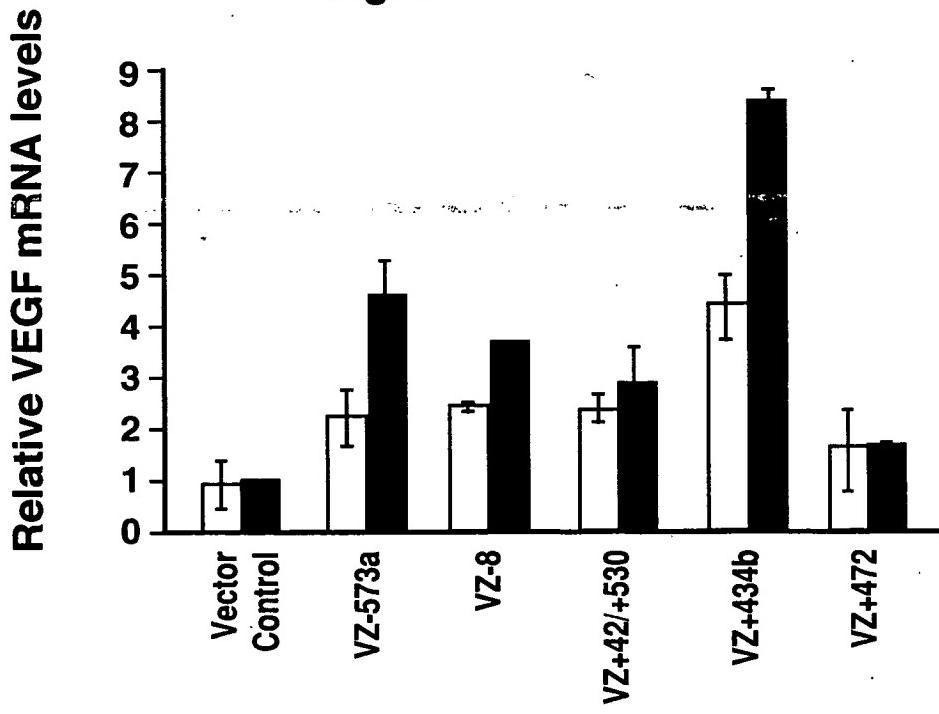


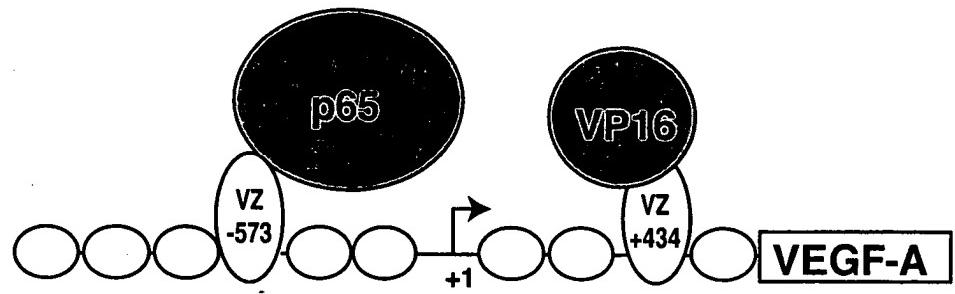
Fig. 5B



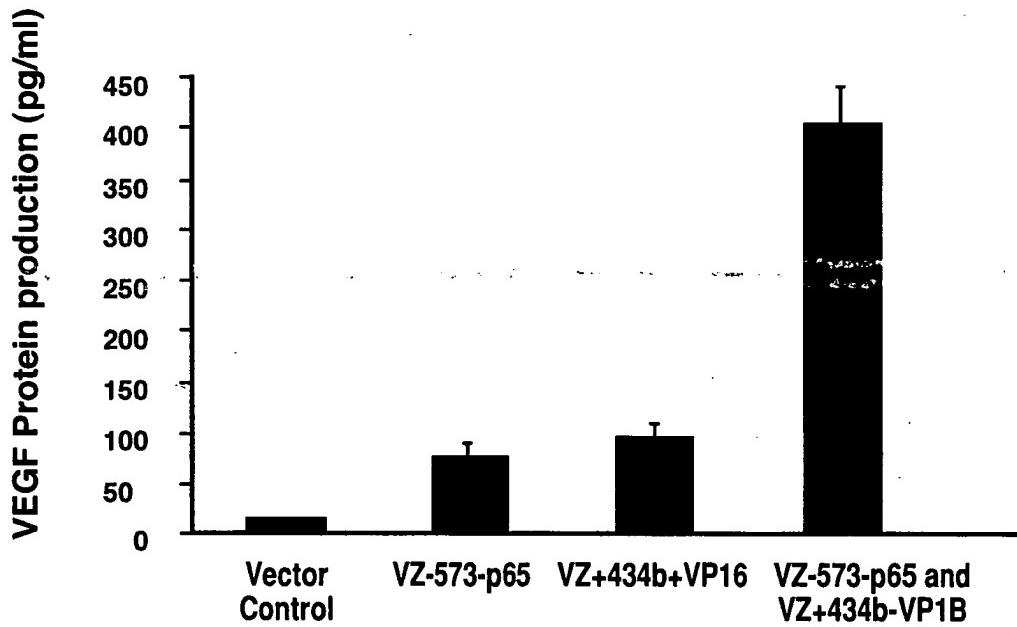
**Fig. 5C**



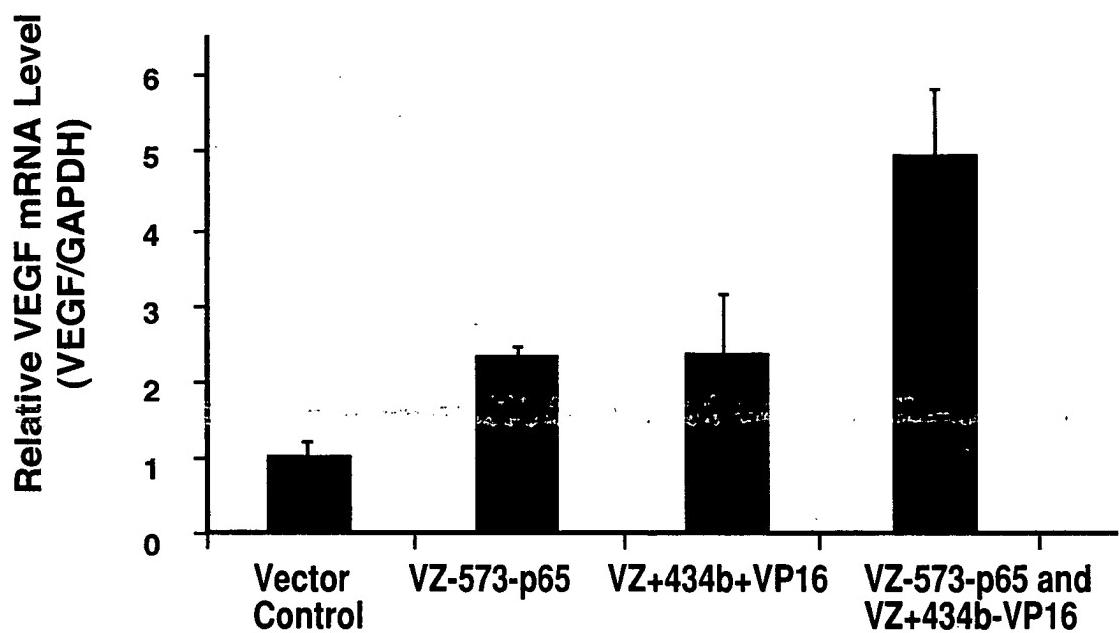
**Fig. 5D**



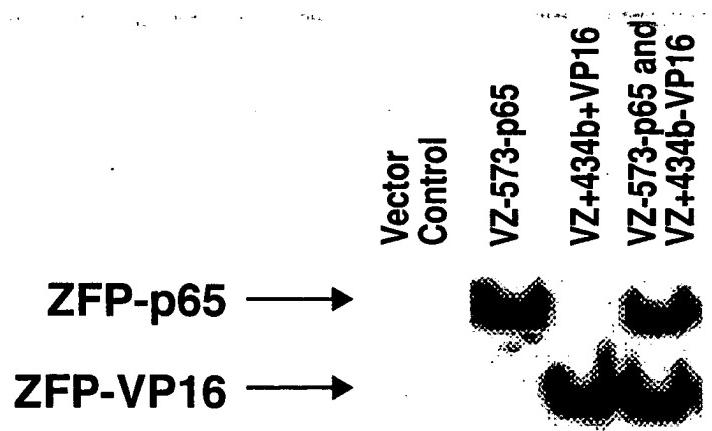
**Fig. 6A**



**Fig. 6B**



**Fig. 6C**



**Fig. 6D**

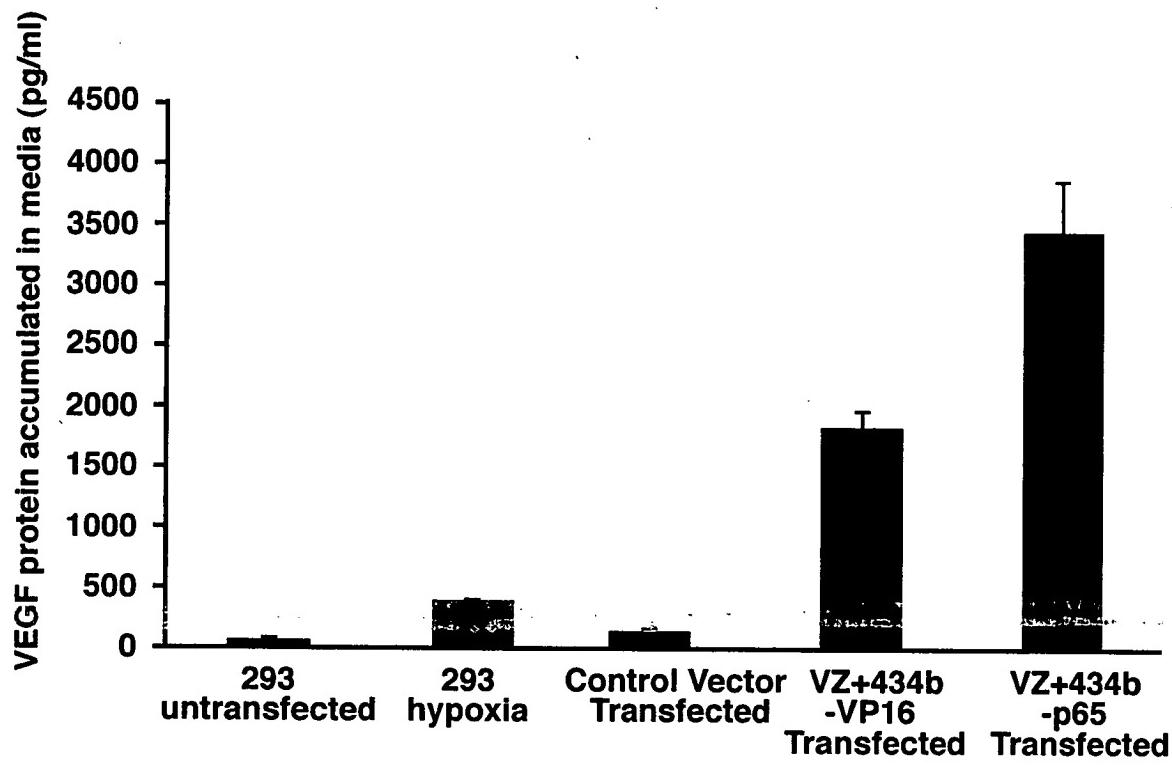


Fig. 7A

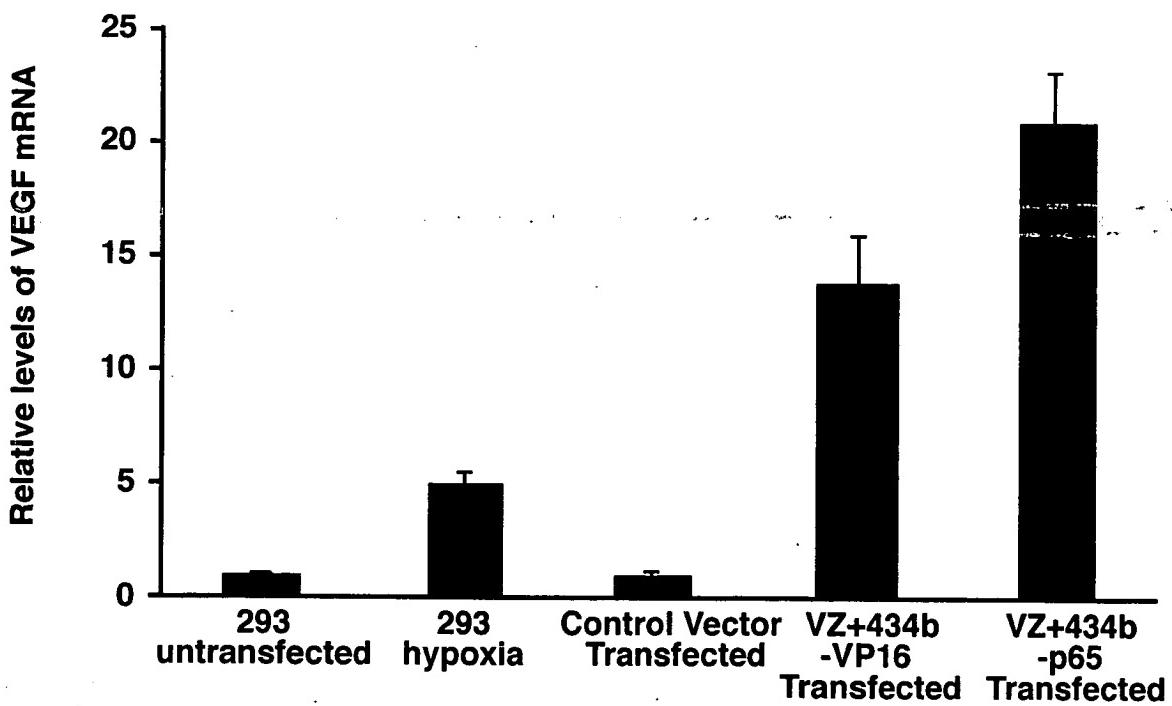
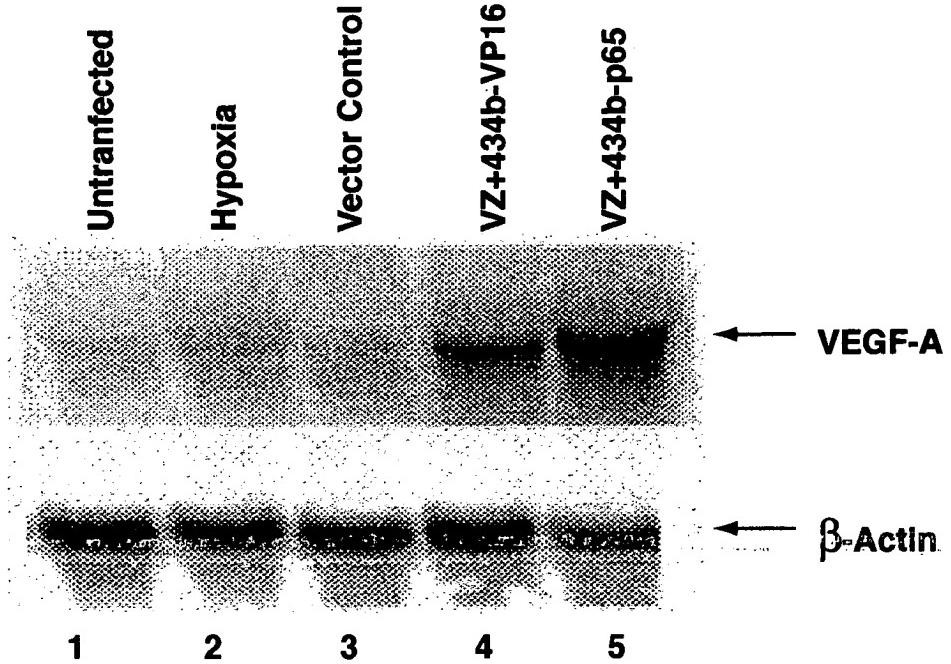
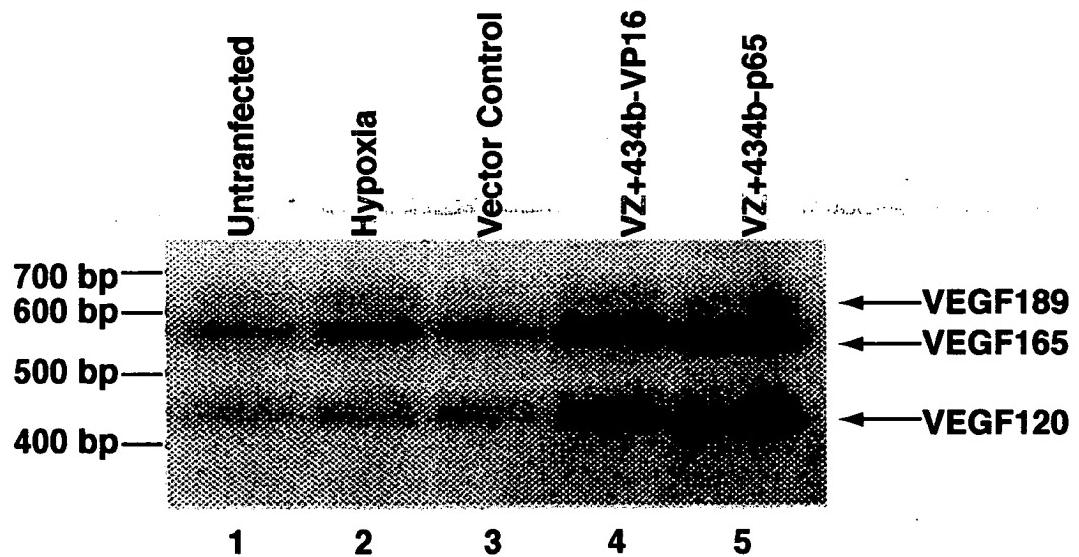


Fig. 7B



**Fig. 7C**



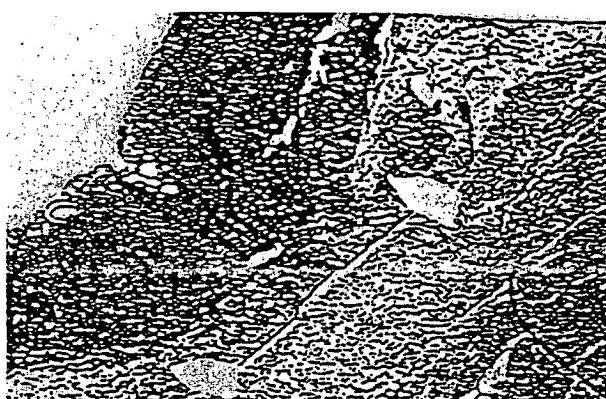
**Fig. 7D**

## **Control**



**Fig. 9A**

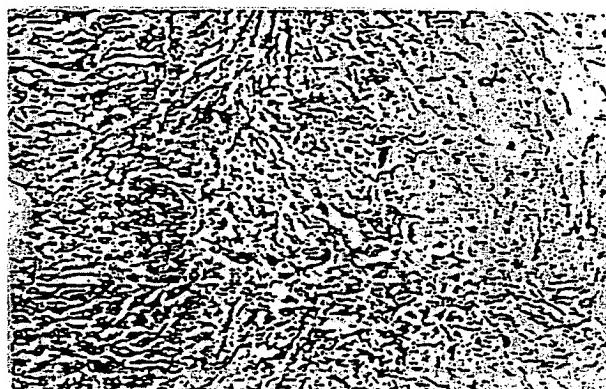
## **+ZFP**



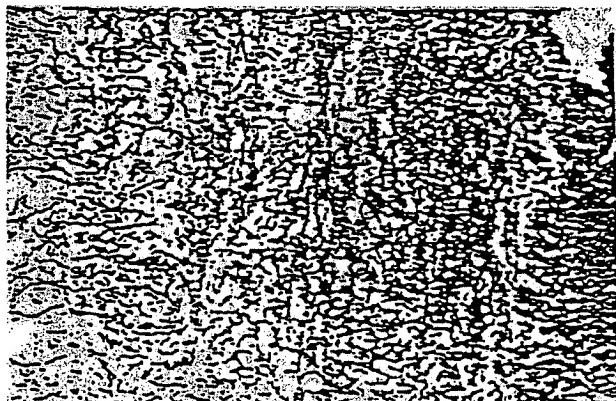
**Fig. 9B**



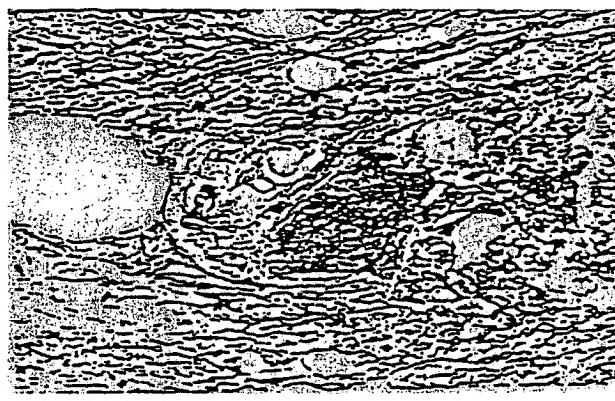
**Fig. 9C**



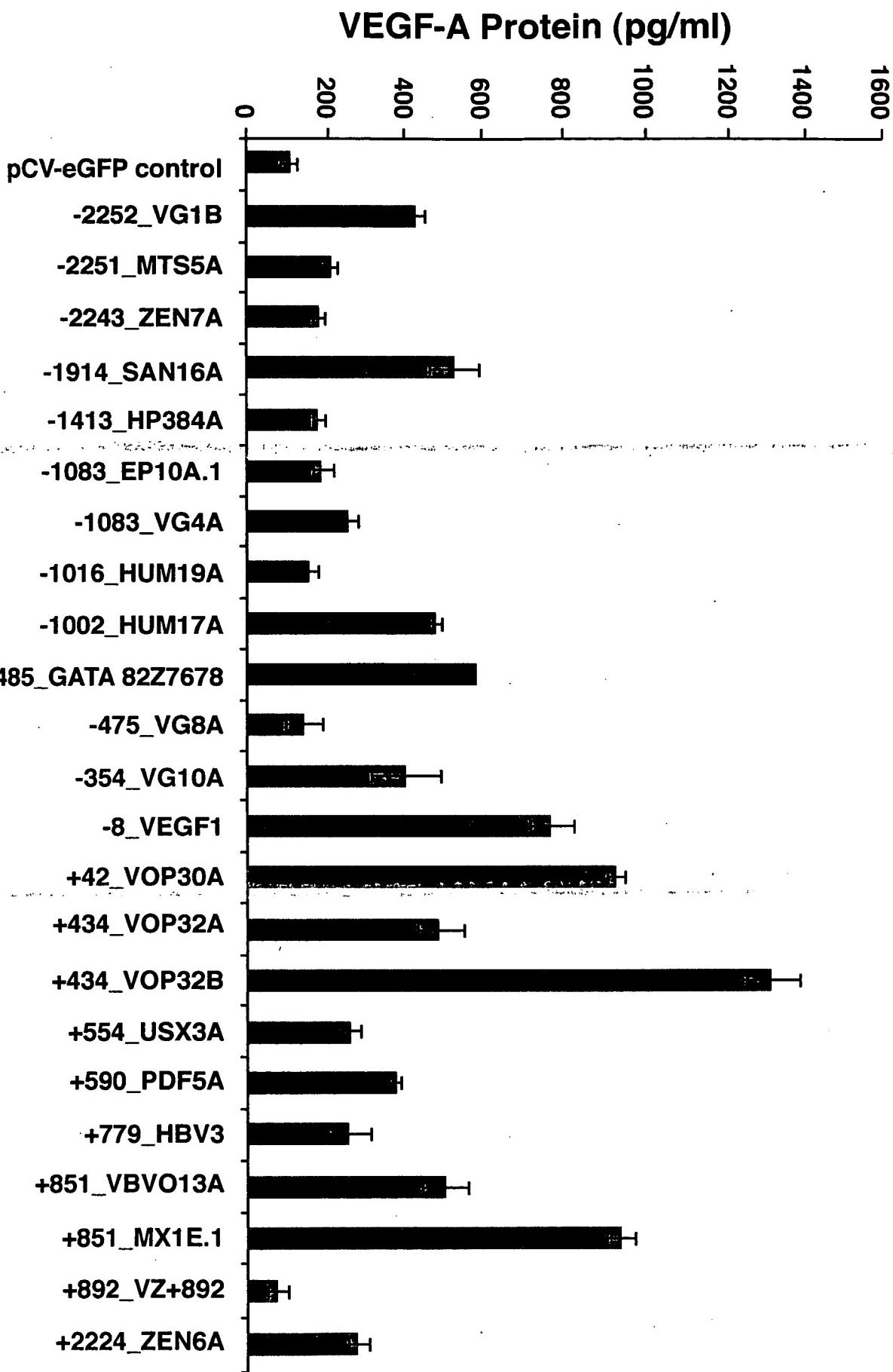
**Fig. 9D**



**Fig. 9E**

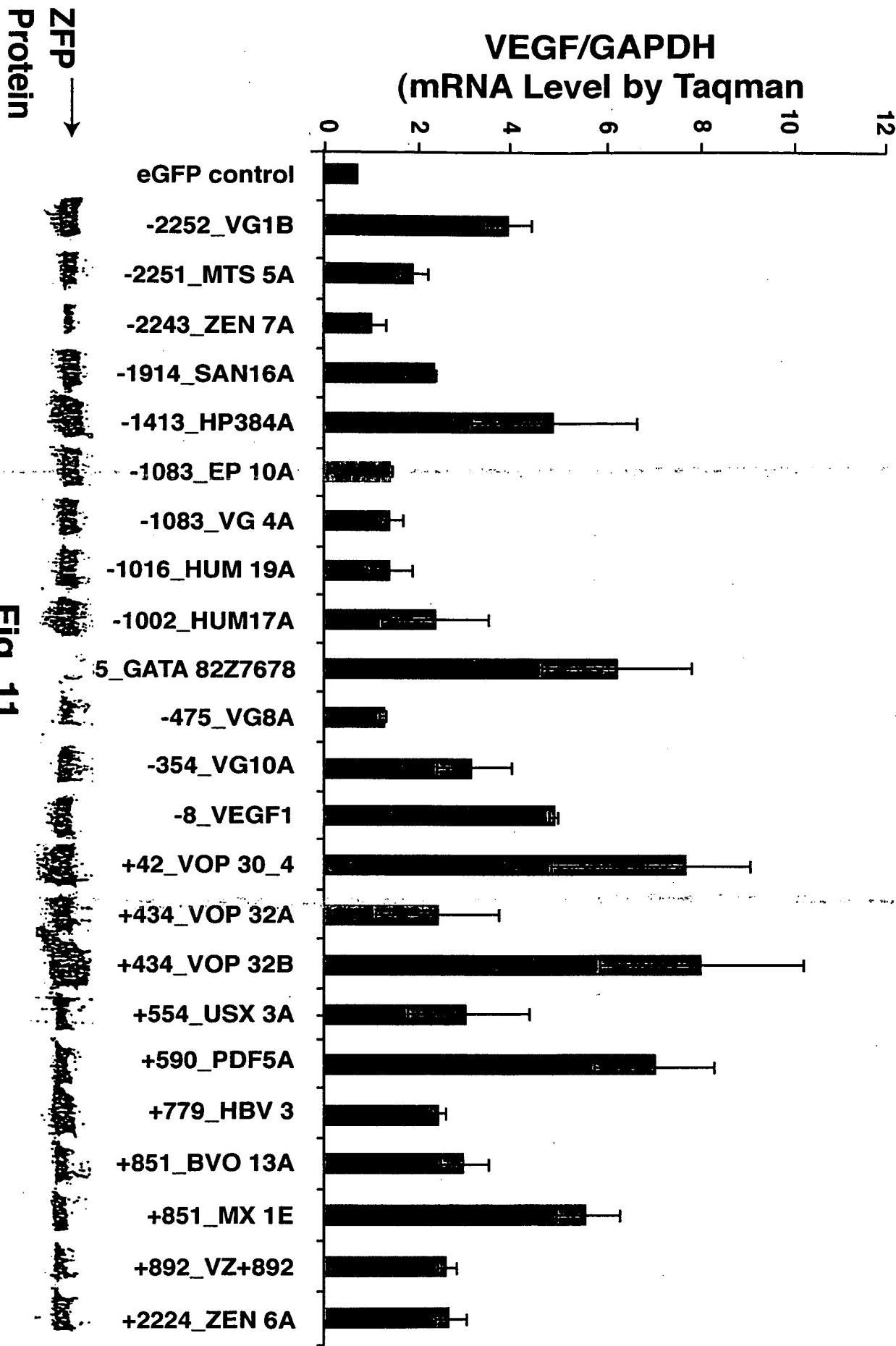


**Fig. 9F**

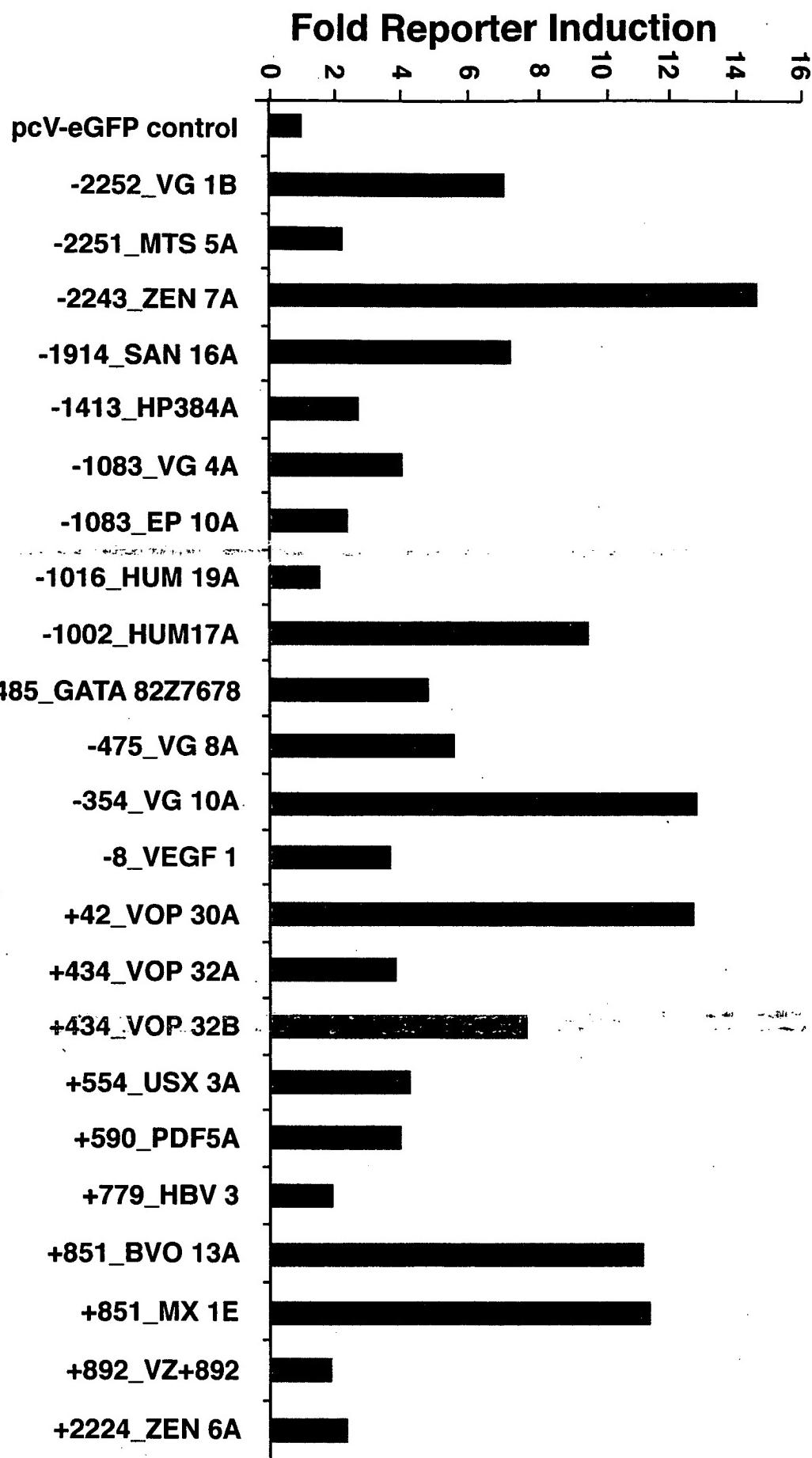


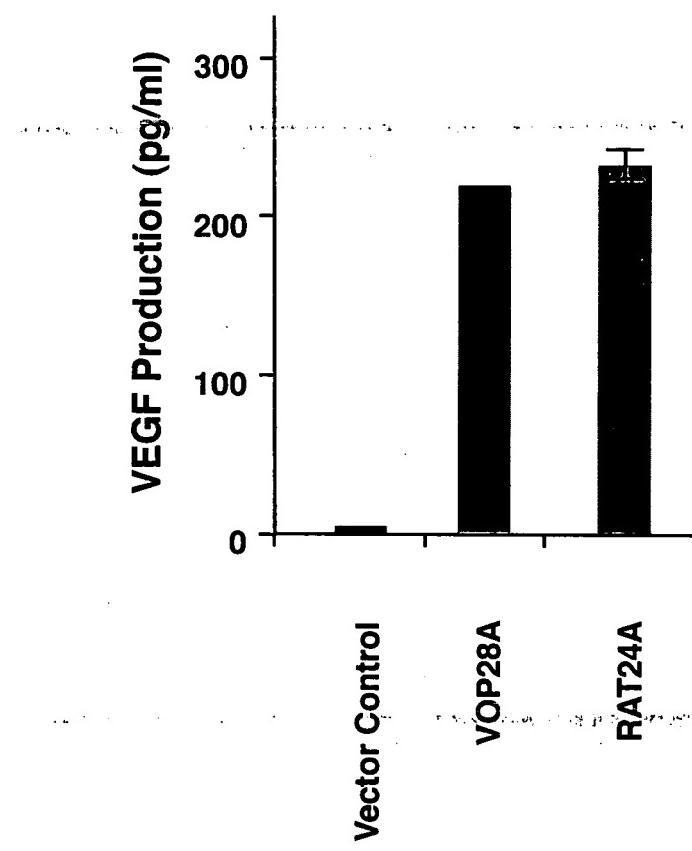
**Fig. 10**

**Fig. 11**



**Fig. 12**





**Fig. 13**

### VEGF-A mRNA Activation by ZFPs

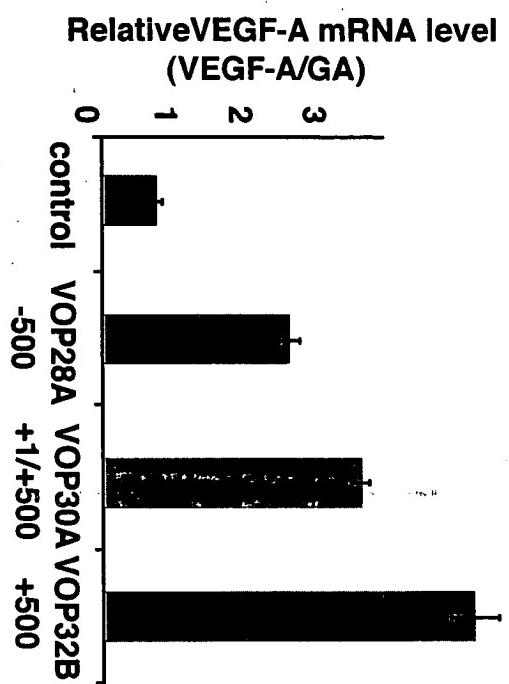


Fig. 14A

### VEGF-C mRNA Activation by ZFPs

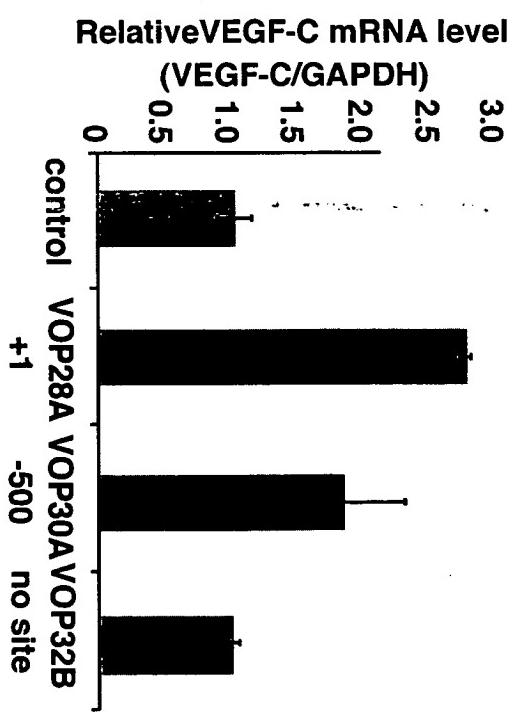
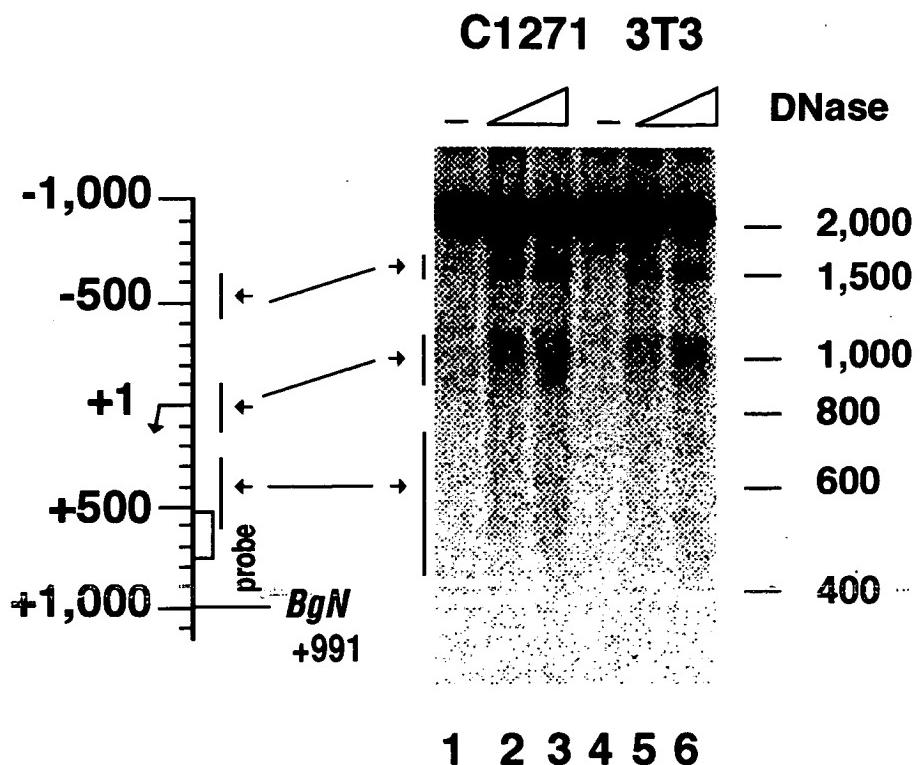
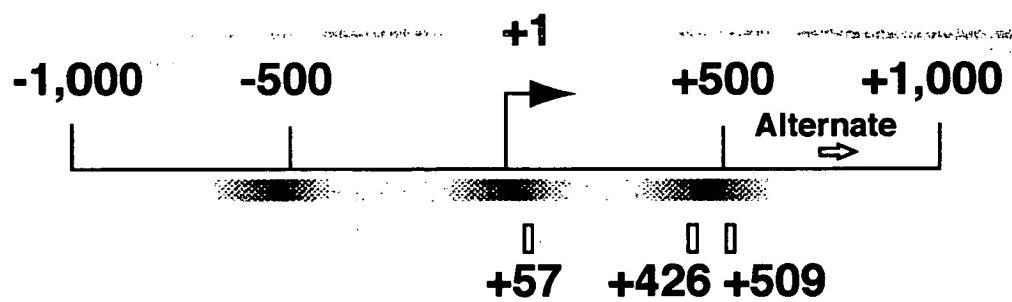


Fig. 14B



**Fig. 15A**



**Fig. 15B**

ZFP Name	Target	Finger designs	
	Sequence 5'- 3'	Subsites 5'- 3'	-1123456
mVZ+57	TGAGCGGGCGGCAGCGGAGc	TGAg GCCg GCCg GCAg GCCg GAGC	OSGHLTK F6 RSDELSR F5 RSDELTR F4 OSGSLTR F3 RSDELQR F2 RSDNLAR F1
mVZ+426	GGGGGTGACc	GGGg GGTg GACC	RSDHLSR F3 TSGHLVR F2 DRSNLTR F1
mVZ+509	GCTGGGGGCg	GCTg GGGg GGCg	OSSDLTR F3 RSDHLTR F2 DRSHLTR F1

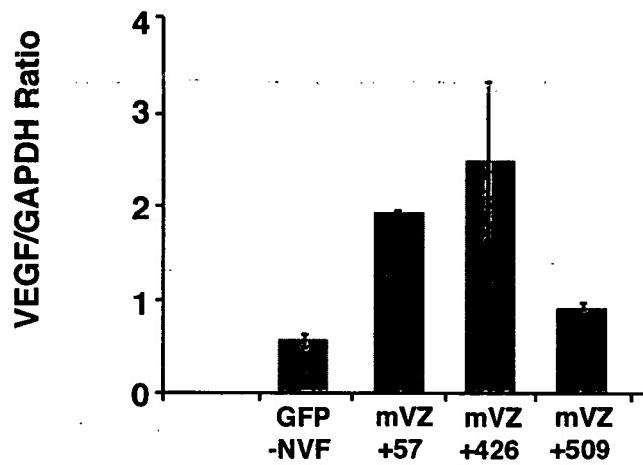
Fig. 15C

ZFP	Target	Gel shift	Apparent $K_d$ (nM)
mVZ+57	TGAGCGGGCGGCAGCGGAGc	Bound Free	0.031
mVZ+426	GGGGGTGACc	Bound Free	<0.01
mVZ+509	GCTGGGGGCg	Bound Free	<0.01
SP1	GGGGCGGGGg	Bound Free	0.053

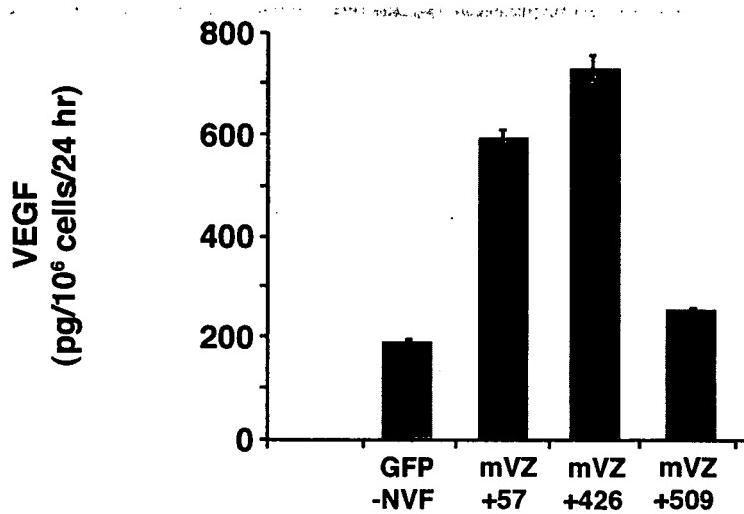
Fig. 15D



**Fig. 16 A**



**Fig. 16 B**



**Fig. 16 C**

GFP

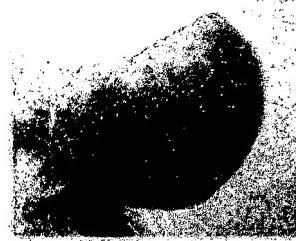


Fig. 18A

VEGF-ZFP

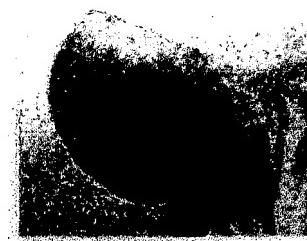


Fig. 18B



Fig. 18C

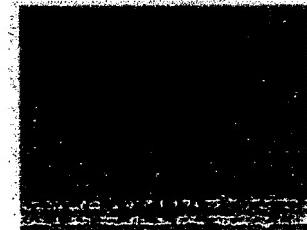


Fig. 18D

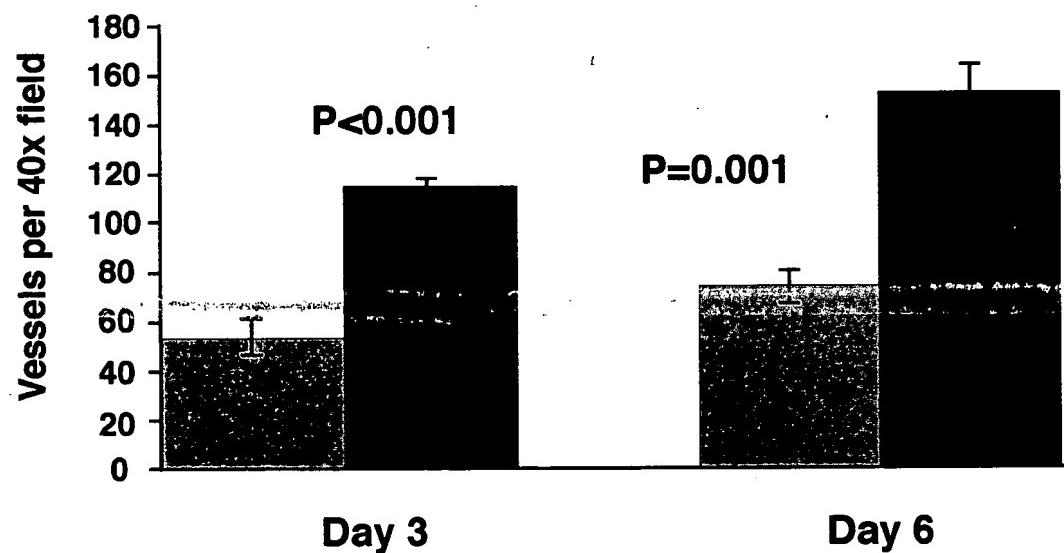


Fig. 18E

GFP



Fig. 19A

MVG



Fig. 19B

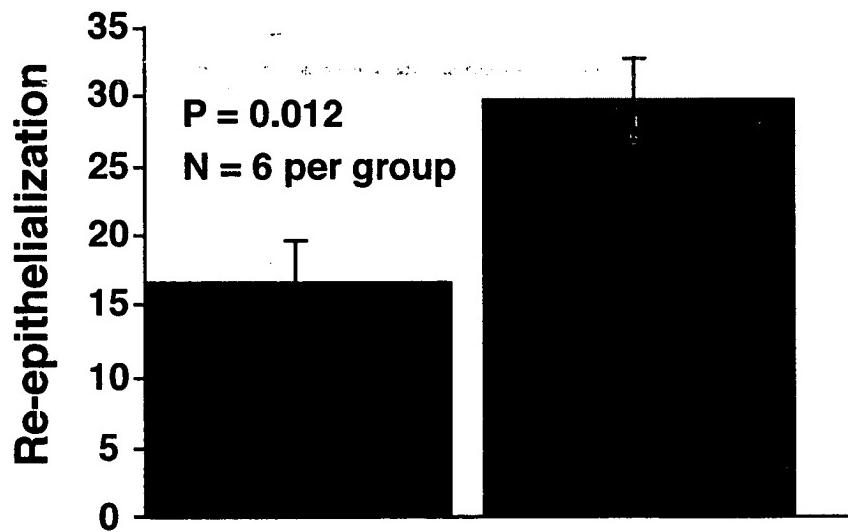
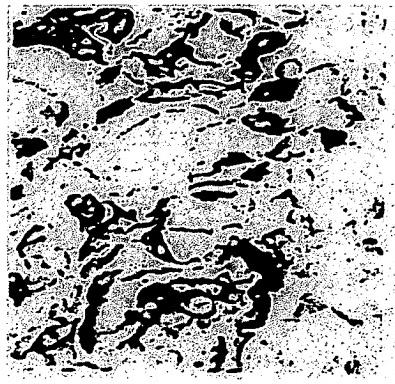
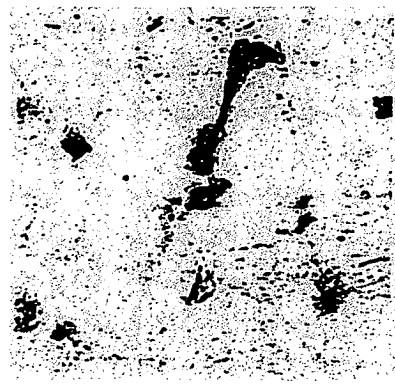


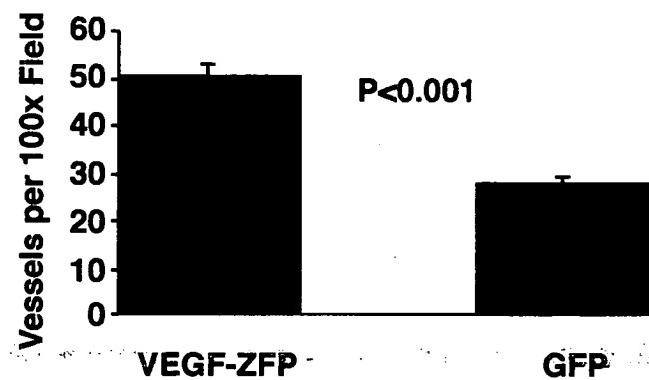
Fig. 19C



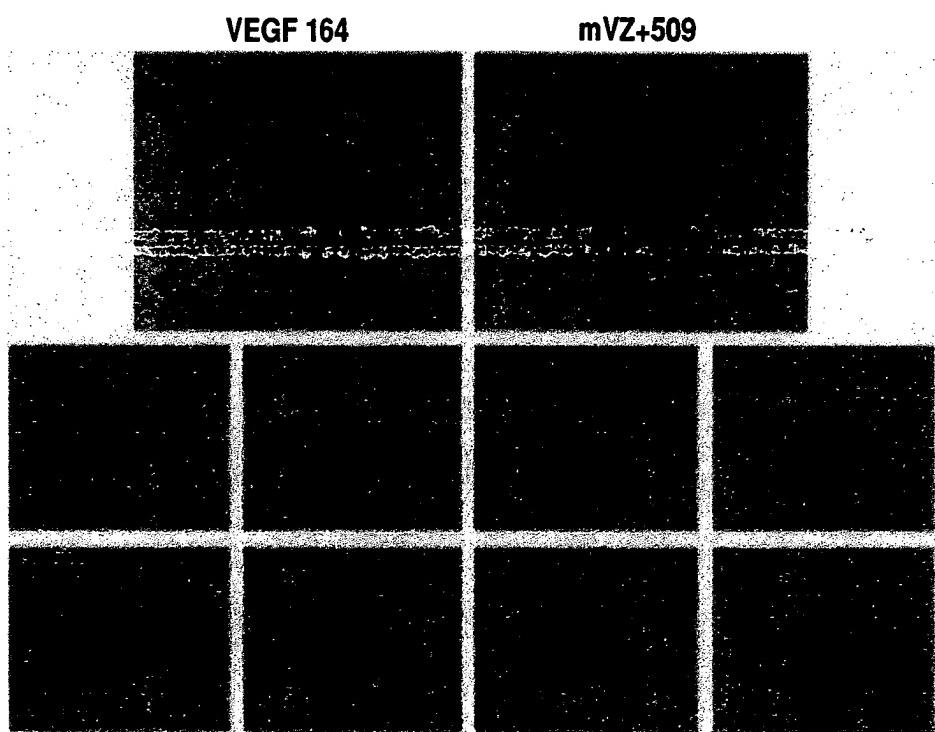
**Fig. 21A**



**Fig. 21B**



**Fig. 21C**



**Fig. 22**

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